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V.V. Sangha's

Rao Bahadur Y. Mahabaleswarappa Engineering College, Ballari.  
Department of Electronics & Communication Engineering



# TALENTRONIC TIMES



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### Student Editors:

Kavyashree, Vinayak

Alumni Meet “Apoorva Milana 2023” organized on 16<sup>th</sup> Dec 23.



ATAL 6 days offline FDP on “Climate Change: Problems & Prospects”



## ABOUT THE INSTITUTION

Rao Bahadur Y Mahabaleswarappa Engineering College was established in 1980, under the aegis of the Veerasaiva Vidyavardhaka Sangha, Ballari.

The Institute is affiliated to VTU, Belagavi approved by AICTE, New Delhi. The institute offers 8 UG, 7 PG programs and 6 Research centres. The institute has excellent sports facilities, well equipped labs and digital class rooms & in addition it has separate hostel facilities for boys & girls. The Institute is located 50 Kms away from the world famous historical place "Hampi".

## LAURELS OF E&CE DEPARTMENT

The Department of Electronics and Communication Engineering is established in the year 1983 with an intake of 40. Presently the intake is 120 with a M.Tech course in VLSI DESIGN & EMBEDDED SYSTEMS and Research Centre. The department was accredited twice by NBA, New Delhi.

The department is well equipped with state-of-the-art laboratories and research facilities, organizing various Workshops, Seminars/Symposiums & Placement Training's. The Department has procured Rs.50 Lakhs under MODROBS scheme AICTE, NEW DELHI, Rs 20 Lakhs Grant from VGST scheme of KFIST Level(1), 3 Lakhs from NAIN, Rs.2 Lakhs from CySecK & KSCST Projects sponsorship of Rs.1 Lakh.

Twelve students of the department have bagged Gulbarga University Ranks & four VTU State Ranks. Two Faculties are awarded with State level VTU Ranks for Post Graduate Studies.

### Words of Wisdom

“To accomplish great things, we must not only act, but also dream, not only plan, but also believe.”

— Anatole France

“When you think you can't... revisit a previous triumph.”

— Jack Canfield.

“Great works are performed not by strength, but perseverance.”

—Dr. Samuel Johnson

“Society may predict, but only I can determine my destiny.”

Clair Oliver

### Words of Wisdom

“If we are to achieve results never before accomplished, we must expect to employ methods never before attempted.”

— Francis Bacon

“Anyone who has never made a mistake has never tried anything new.”

— Albert Einstien

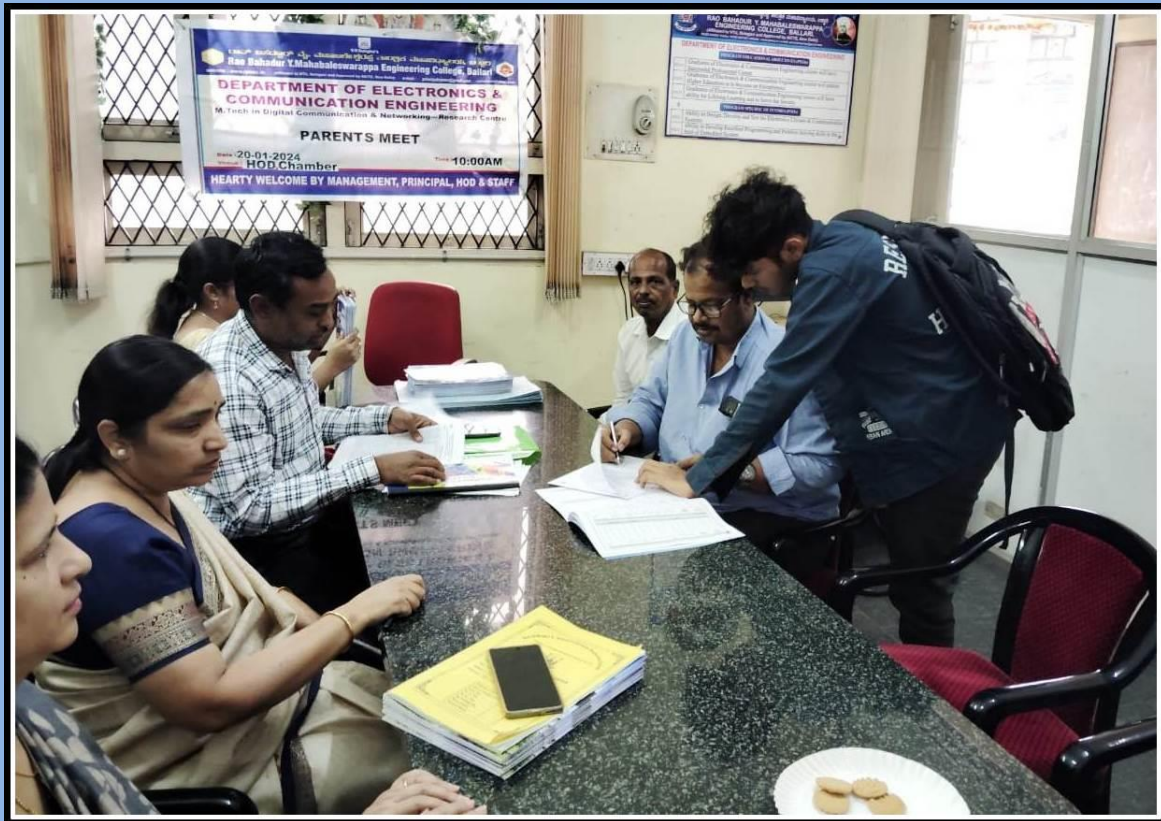
### QUOTE OF THE ISSUE

“Without ambition no conquests are made, and no business created. Ambition is the root of all achievement.”

- James Champy

## EVENTS ORGANIZED

Sl. No	Event Details
1	ATAL 6 days offline FDP on “Climate Change: Problems & Prospects” organized from 20 <sup>th</sup> to 25 <sup>th</sup> Nov 2023.
2	“Blood donation camp” organized on 13 <sup>th</sup> Dec 2023.
3	“Talentronics 2K23-24” organized from 8 <sup>th</sup> to 10 <sup>th</sup> Dec 2023.
4	Alumni Meet “Apoorva Milana 2023” organized on 16 <sup>th</sup> Dec 23.
5	Parents Meet organized on 20 <sup>th</sup> Jan 2024.
6	industrial visit to ISRO, Shriharikota on 25 <sup>th</sup> Jan 2024.
7	Student Development Program on Emerging Technologies “Tech Sphere” in association with Skillyft organized on 1 <sup>st</sup> February 2024.



Parents Meet organized on 20<sup>th</sup> Jan 2024.

## NEWS ABOUT STUDENT PERFORMANCE

### TOPPERS OF DEPARTMENT

Position	3 <sup>rd</sup> Sem	SGPA	5 <sup>th</sup> Sem	SGPA	7 <sup>th</sup> Sem	SGPA
1	AYESHA FARHEEN	9.35	ABHIJITH S MANGALA GOWRI A	9.22	GOWTHAMI T SAI AMRUTHA Y	9.1
2	BHOOMIKA M S	8.8	SABEEHA LAXMI SRAVANTI G	9.05	TEJASHWINI T S H S MEGHANA	8.85
3	V KAVYASHREE	8.75	SHIVARAJ S	9	AISHWARYA B	8.8

### ACHIEVEMENTS MADE BY STUDENTS:



3<sup>rd</sup> year students had been to industrial visit “ISRO, Shriharikota” on 25<sup>th</sup> Jan 2024.



Student Development Program on Emerging Technologies “Tech Sphere” in association with Skillyft organized on 1<sup>st</sup> February 2024.

## STUDENT ARTICLES

*Precious reminder,*

*Your time here is limited  
This very moment may not be there tomorrow.*

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*Let go your fears,  
Let go all those things causing you hurt,  
Let go all the battles in your mind,  
Let go the pretentious smile you have been giving all this mile,  
Let go all this killing BENEATH.*

*Oh my Friend, enough of thinking.  
Once in a while, allow yourself to JUST BREATHE.*

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ಹಿತವನು ನೀಡುವ ಅನುಭವ ನೀ

ಚಿಂತೆಯ ಕಳೆಯುವ ಔಷಧಿ ನೀ

ಹೃದಯದ ಕದ್ದಿಹ ರಸಿಕಳು ನೀ

ಪದಗಳೇ ನಾಚುವ ಕವನವು ನೀ

ಕವಿಗಳಿಗೂ ಸಹ ಏಟುಕದ ಕಲ್ಪನೆ ನೀ

ಮಾಯಲೋಕದ ಮಾಯಾಗಾತಿ ನೀ

ನನಗೆ ದಕ್ಕಿದ ಮುತ್ತು ನೀ

ಬರೆದರೂ ಮುಗಿಯದ ಕಲ್ಪನೆಗೂ ಏಟುಕದ  
ಕಲ್ಪನೆ ನೀ

ಎಷ್ಟು ಹೇಳಿದರು ಮುಗಿಯದ  
ಚಂದಗಾತಿಯು ನೀ

ಒಟ್ಟಿನಲ್ಲಿ ನನ್ನ ಹೃದಯದ ಮೀಡಿತ ನೀ  
-ಚೇತನ್ ಹಿರೇಮಠ

## FACULTY CONTRIBUTIONS

### WORKSHOPS PARTICIPATION

1. Mr. Prashanth K Y, Mrs. Manasa & Mr.Chandrashekar participated in Five days FDP on **“Ability Enhancement Course-IoT Lab”** at Jain Institute of Technology, Davangere from 6<sup>th</sup> to 10<sup>th</sup> Nov 2023.
2. Mr.Santosh M participated in FDP on **“Research Methodology and IPR”** at VTU PG Centre, Kalaburgi on 29<sup>th</sup> Dec 2023.

### PAPER PUBLICATION

1. Dr.Savita Sonoli published a paper titled **“Implementation of Wireless Charging Unit for Pacemaker Based on Vital Data Analysis Using IOT”** in Asian Journal of Research in Computer Science | Volume 17, Issue 1, Page 62-70, 2024;Article no.AJRCOS.111088ISSN: 2581-8260.
2. Dr.Savita Sonoli & Mrs.Keerthi S presented a paper titled **“IoT Based Lineman Security System Using Controlled Switchover With Transmission Line Fault Identification”** in 2023 International Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics (AIKIIE).

### RESEARCH CENTRE ACTIVITIES

1. Mr.Mahindra.B.M completed PhD Viva Voice for **“Learning Based Approach to Improve Deblurring Of Motion Blurred Images With Saturated Pixels”** on 14<sup>th</sup> Sep 2023 under the guidance of Dr. Savita Sonoli from VTU, Belagavi.
2. Mrs.Manasa completed PhD Viva Voice for **“Integrated Analysis of HSV Color Histogram Characteristics With Shape Based Edge Detection to Improve the retrieval system performance in CBIR”** on 16<sup>th</sup> Jan 2024 under guidance of Dr. Savita Sonoli from VTU, Belagavi.
3. Dr. Savita Sonoli, Dr. Prabhavathi S and Dr. Chandrashekar K are registered as Research Supervisors at ECE Research Centre, RYMEC.
4. Dr.Prabavathi S is guiding Ph.D Research scholars Mr.Khaja Mouiniddun & Ms.Rohini H M registered under VTU, Belagavi.
5. Dr. Chandrashekar K is guiding Ph.D Research scholars Mr.Sudarshan B, Mr.Srikanth N & Mr. Lokesh K S registered under VTU, Belagavi.
6. Mrs.Rakhee Patil, Mrs.Suvarna Patil, Mr.Prashanth Keni, Mr.Khaja Mouiniddun, Mr.Sudarshan B, Mr.Srikanth N, Mr.santosh M, Mr. Lokesh K S, Mr.Sharana Basavaraj B & Mrs.Ashwini K are registered for Ph.D under VTU, Belagavi.

## EVENTS PHOTO GALLERY

ATAL 6 days offline FDP on “Climate Change: Problems & Prospects” organized from 20<sup>th</sup> to 25<sup>th</sup> Nov 2023.



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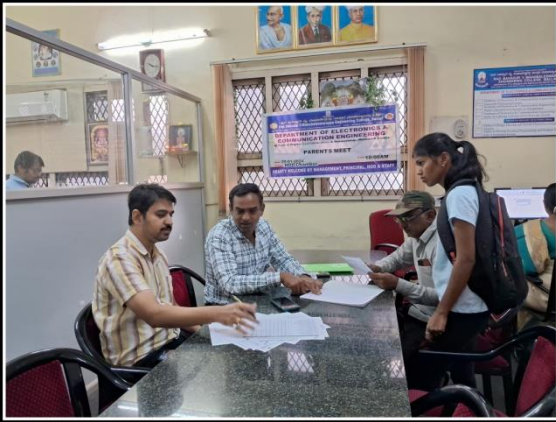


Alumni Meet “Apoorva Milana 2023” organized on 16<sup>th</sup> Dec 23.



## PHOTO GALLERY

Parents Meet organized on 20<sup>th</sup> Jan 2024.



industrial visit to **ISRO, Shriharikota** on 25<sup>th</sup> Jan 2024.



Student Development Program on Emerging Technologies “**Tech Sphere**” in association with **Skillyft** organized on 1<sup>st</sup> February 2024.



## VISION, MISSION, PO'S, PSO'S & PEO'S

### VISION OF E&CE DEPARTMENT

To Produce Professionally Excellent, Knowledgeable, Globally Competitive, Socially Responsible Electronics & Communication Engineers and Entrepreneurs.

### MISSION OF E&CE DEPARTMENT

M1: To provide quality education in Electronics & Communication Engineering.

M2: To establish a Continuous Industry-Institute Interaction, Participation and Collaboration to Contribute Skilled Electronics and Communication Engineers.

M3: To develop Human Values, Social Values, Entrepreneurship Skills and Professional Ethics among the Technocrats.

M4: To focus on Innovation and Development of Technologies by Engaging in Electronics and Communication Research areas.

### PROGRAM OUTCOMES (PO'S)

**Engineering Graduates will be able to:**

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

### PROGRAM SPECIFIC OUTCOMES (PSO'S)

1. Ability to Design, Develop and Test the Electronics circuits & Communication Systems.
2. Ability to develop excellent programming and problem solving skills in the field of embedded system.

### PROGRAM EDUCATIONAL OBJECTIVE'S (PEO'S)

1. Graduates of Electronics & Communication Engineering course will have Successful Professional Career.
2. Graduates of Electronics & Communication Engineering course will pursue Higher Education or to become an Entrepreneur.
3. Graduates of Electronics & Communication Engineering course will have ability for Lifelong Learning and to serve the Society.